

20031016.qrp v03_n075.qrl.20031016

Date: Thu, 16 Oct 2003 19:03:09 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3075

QRP-L Digest 3075

Topics covered in this issue include:

- 1) [159426] F/S HW9 PSA9
by "john gabbard" <johngabbard@usintouch.com>
- 2) [159427] New Elecraft / Heil MD2 Microphone, Desk stands and Studio Boom
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 3) [159428] New! MD2, Desk stands and Studio Boom at Pacificon
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 4) [159429] Zombie Shuffle
by "J. Medley" <jmedley@ix.netcom.com>
- 5) [159430] Re: External Ground Connection on K-1
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 6) [159431] Rock Mite DX
by "Norman Zoltack" <k3nz@enter.net>
- 7) [159432] Re: External Ground Connection on K-1
by "Armin Hachmer" <armin@muskoka.com>
- 8) [159433] Re: Zombie Shuffle
by "john_k7fd" <john_k7fd@cablespeed.com>
- 9) [159434] NEQRP CW Net, Thursday, 16 Oct 03, 08:30 PM EDT, 3.566 MHz
by Chuck Ludinsky <cjl@mitre.org>
- 10) [159435] Re: External Ground Connection on K-1
by "George, W5YR" <w5yr@att.net>
- 11) [159436] CQWW SSB DX Contest
by "pschweit" <pschweit@mninter.net>
- 12) [159437] FS HW9 PSA9
by "john gabbard" <johngabbard@usintouch.com>
- 13) [159438] Elecraft KX1, observations and questions 2 & 3...
by <bill@n4qa.com>
- 14) [159439] Re: External Ground Connection on K-1
by "George, W5YR" <w5yr@att.net>
- 15) [159440] Re: Sub-Harmonic Mixer.
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
- 16) [159441] Elecraft KX1 observations and question 4...
by <bill@n4qa.com>
- 17) [159442] NOXAS PicoKeyer kit
by Chad Nelson <galahad@boisecenter.net>
- 18) [159443] Re: Elecraft KX1 observations and question 4...
by w9ya <w9ya@arrl.net>
- 19) [159444] Re: NOXAS PicoKeyer kit

by Dale Botkin <dale@botkin.org>
20) [159445] Re: Zombie Shuffle
by Chuck Adams <k7qo@commspeed.net>
21) [159446] Help w/Posting?
by "Doc K0EVZ" <dock0evz@earthlink.net>
22) [159447] Re: Zombie Shuffle
by James R Giammanco <n5ib@juno.com>
23) [159448] Re: KX1 questions/observations
by Wayne Burdick <n6kr@elecraft.com>
24) [159449] Move the Shuffle
by Chuck Adams <k7qo@commspeed.net>
25) [159450] Re: Elecraft KX1, observations and questions 2
by Wayne Burdick <n6kr@elecraft.com>
26) [159451] Re: Elecraft KX1 observations and question 4...
by Wayne Burdick <n6kr@elecraft.com>
27) [159452] QRPacificon Information
by "Doug Hendricks" <ki6ds@dpol.net>
28) [159453] Re: Move the Shuffle
by John_k7fd <john_k7fd@cablespeed.com>
29) [159454] Re: Move the Shuffle
by "Charles W3KC" <w3kc@starpower.net>
30) [159455] Re:%20Making%20HW-8%20all%20accessable
by "Adam Vazquez" <adam.vazquez.kb2jpd@earthlink.net>
31) [159456] Message from Dr. Megacycle
by "Doug Hendricks" <ki6ds@dpol.net>
32) [159457] F.S. Two Band K1 with auto tuner
by steven.e.huss@exgate.tek.com
33) [159458] Re: 30 meter vertical ?
by "Paul Gerhardt" <pgerhardt@hotmail.com>
34) [159459] FirebirdARC 160M net Starting Guests welcome
by "Charles Mabbott" <aa8vs@msn.com>
35) [159460] blt questions
by Marten T Beels <martentb@goshen.edu>
36) [159461] Screwdriver tuned antenna
by Karl Larsen <k5di@zianet.com>
37) [159462] Off to the fun at QRPacificon
by "Doug Hendricks" <ki6ds@dpol.net>
38) [159463] [CONTEST] N2CQ QRP Contest Calendar Oct 18-29
by "Ken Newman" <n2cq@dandy.net>
39) [159464] Re: blt questions
by "Thomas Lewis" <thomas_h_lewis@msn.com>
40) [159465] RE: Screwdriver tuned antenna
by Mark Schoonover <schoon@amgt.com>
41) [159466] Re: Off to the fun at QRPacificon
by "Thomas Lewis" <thomas_h_lewis@msn.com>

Date: Wed, 15 Oct 2003 15:48:11 -0700
From: "john gabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [159426] F/S HW9 PSA9
Message-ID: <000b01c3936e\$6975f690\$e4861c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have an HW9 with WARC bands and matching PSA9 power supply with all original documentation, and a complete VFO assembly with reduction drive plus the latest edition of HW Handbook. All in good condition with full output. Cosmetic condition is a 9 and no scratches on front panel and has new reduction drive installed in VFO (no slippage). Asking \$285.00 shipped USA 73's Thanks John KF7OM

Date: Wed, 15 Oct 2003 15:56:43 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Elecraft List <elecraft@mailman.qth.net>, QRP-L <qrp-l@lehigh.edu>
Subject: [159427] New Elecraft / Heil MD2 Microphone, Desk stands and Studio Boom
Message-ID: <3F8DD0AB.2090207@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Bob Heil and Elecraft have collaborated to introduce the MD2 microphone with a high performance Heil electret element with high output to drive the K2 and exhibiting a wide frequency range. The MD2 is available exclusively from Elecraft.

The MD2 is housed in a beautiful platinum finish body perfect for hand held use or mounting on a desk stand or microphone boom. It is supplied with a universal mic clip that will interface with a variety of stands and booms. (See our matching microphone stands and studio boom.)

The MD2' comes complete with an self attached 5' length of the 'Heilwire' cable and terminates in the familiar 8 pin Foster connector wired to mate with the K2. A 1/4" female pig tail exits this 8 pin connector that allows the interface of a footswitch or hand switch to control the PTT line. A 'Soft touch' PTT switches is mounted on the body of the MD2.

The frequency range of the high performance Heil element is 35 Hz to 10,000 Hz @ -3 dB, with a peak at 2 kHz to 4 kHz for excellent SSB punch power. You can also shift the K2's transmit BFO settings (BF1t setting in CAL FIL for USB and

LSB) to provide additional low or high frequency boost / cut as needed to match your particular voice for optimal performance.

Price: \$89.00 and is in stock.

We have also introduced the CB1 and TB1 microphone stands and the PL2T studio boom arm for the MD2.

For pictures and details see:

http://www.elecrafter.com/MD2/md2_microphone.htm

http://www.elecrafter.com/MD2/microphone_stands_and_boom.htm

73, Eric WA6HHQ

<http://www.elecrafter.com>

Date: Wed, 15 Oct 2003 15:59:33 -0700

From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>

To: Elecraft List <elecraft@mailman.qth.net>, QRP-L <qrp-l@lehigh.edu>

Subject: [159428] New! MD2, Desk stands and Studio Boom at Pacificon

Message-ID: <3F8DD155.8020407@elecraft.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

I forgot to mention that we will have all of these new products at Pacificon this weekend. See you there :-)

73, Eric WA6HHQ

<http://www.elecrafter.com>

Date: Wed, 15 Oct 2003 17:23:38 -0600

From: "J. Medley" <jmedley@ix.netcom.com>

To: qrp-l@lehigh.edu

Subject: [159429] Zombie Shuffle
Message-ID: <3F8DD6FA.648639DF@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Official Rules for the Zombie Shuffle

Why: Because Zombies don't sprint.

When: Saturday Nite, November 1, 2003
Any 4-hour period you choose from your local sundown to local midnight. You can split it into two sessions if interruptions are unavoidable. Just for the record, your local sundown will be 6 p.m. and if your local weather people disagree, I'll zap 'em with a spell!!!!

Special DX Rule: operate any 4-hour period as above, or split it into two sessions if you need to, between 2200Z 10/25 to 0700Z 10/26. This includes HI and AK.

Special Note: if you're just having too much fun to quit and want to hang out and pass out points, that's fine! Just submit your best 4 hours. But make note of these special contacts in your log so you don't get all confused or something :)

Where: 20, 40, and 80 meters
Somewhere in the vicinity of the QRP gathering/calling frequencies (14.060, 7.040, 7.110, 3.560, 3.710), be considerate of others because they may not know about Zombies, also spend some time in the Novice frequencies too....all Zombies are brothers in spirit after all.

How: CW only
QRP only (5 watts or less power out)

What do I say: RST, SPC, Zombie number, Name (+ age if /JR)
-RST is a signal report
-SPC means state, province, or DXCC country
-Zombie Number is that series of numbers at the bottom of your Zombie badge....or you can use your local telephone area code if you don't have a Zombie number; please use only one number (if you have more than one Zombie number you might want to use the higher of the two since it's worth more

points ;>)
-Name is what everybody calls you....watch it!

Notes: if you're a YL op, then send your name as "Elvira"
if you're a Junior Zombie station (any op that's 18 yrs or
younger, and is a Novice/Tech+ or working with a
control operator present, such as an Elmer or someone
who is licensed to use the above frequencies) then add
/JR after the callsign used and remember to add your
age after your name

Okay, one more note: everybody decided CQ B00 was fun to use
(and a lot shorter) for calling CQ

Fun Scoring: Your score is going to be the sum of all Zombie numbers
and telephone area codes worked on ALL bands! Stations
can only be worked once per band however. Then you're
going to add in all the special bonus points and stuff
to arrive at a really big score! Use the Official Zombie
Score Sheet... it's a whole lot easier than trying to
explain it all here.

Okay, now what: Send your completed score sheets (only) by December 1,
2003, to the Contest Coroner below via snail mail or
e-mail.

Who's the Contest Coroner: Well, that'd be lil ol' me...
Jan Harden, N0QT
Zombie Shuffle Contest Coroner
PO Box 1768
Socorro NM 87801

You can e-mail your score sheet to the Contest Coroner...
Please use plain ASCII text ONLY!!!! No fancy-schmancy stuff
(like html or word processor documents and spreadsheets or
jpg files or anything) because it will be deleted by the
system. Be sure to put your Callsign and "Zombie Shuffle"
in the subject line and send it to:
n0qt@arrl.net

72 and Ghoulded Luck in the contest!
Jan, N0QT

OFFICIAL ZOMBIE SHUFFLE SCORE SHEET

Callsign used: _____ (/JR) Zombie#/Area Code: _____
Ops (Name/Call): _____

Address: _____
City: _____ State: _____ Zip: _____
Equipment used: _____

- 1) _____ Number of stations worked on ALL bands -- this really isn't used for anything, just being nosy.
- 2) _____ Sum of Zombie numbers -- add up ALL Zombie numbers and area codes worked on ALL bands. BE CAREFUL! This could be a really big number! Better use a calculator.

BONUS POINTS:

- 3) _____ Add 1000 points if you're a /JR station (18 yrs or less)
[HINT: Novices or Junior Zombies -- you can work the Shuffle if a control operator is present. Remember to send your age.]
- 4) _____ Add 666 points if you think the bands were crummy.
- 5) _____ Add 666 points if you worked more than 13 stations.
- 6) _____ Add 666 points for EACH Jason worked on ALL bands
(666 x _____).
- 7) _____ Add 666 points for EACH Elvis worked on ALL bands
(666 x _____).
- 8) _____ Add 666 points for EACH Junior Zombie (age 18 yrs or under) worked on ALL bands
(666 x _____).
- 9) _____ Add 666 points for EACH Grand Zombie worked on ALL bands (666 x _____). (These are Zombie numbers 000-025)
- 10) _____ Add 666 points for EACH Elvira worked on ALL bands
(666 x _____).
- 11) _____ Add up lines 2 through 10, pretty big number ain't it?!

SUPER SPECIAL BONUS POINTS FOR A REALLY SCARY SCORE:

- 12) _____ Add 1,000 points if you can name 3 of the Elvis stations:
Call Real Name Location

- 13) _____ TOTAL SCORE. Add lines 11 and 12.
(And it still comes out to 13 lines!)

Also available at www.geocities.com/n0qt/index.htm

Date: Wed, 15 Oct 2003 19:02:26 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>

To: <w5yr@att.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [159430] Re: External Ground Connection on K-1
Message-ID: <007001c39389\$8c007a30\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tell it, brother George!

Excellent discussion of the topic from various directions. It does seem sort of amazing that most folks wouldn't dream of doing without an effective balun, which assures that what goes out on the center wire comes back on the braid (and not the ground), but still think they need an RF ground.

Not that I haven't been down that fool's path myself. A few years back I crawled under the house (to get the highly desirable *short* ground wire), and drove a couple rods with great difficulty. Only after completing the task did I come to reflect and realize that it was a dumb thing to do. I think you sometimes have to do something stupid to gain perspective on what you've just done.

Right on regarding lightning protection too. Lightning hits the ground in the yard, creates a voltage gradient between your rig ground and your meter/panel ground. The path you provided via the rig ground rod to rig chassis to 3rd wire to panel to NEC ground rod may well have lower resistance than the dirt between those points, so your house wiring gets to share some of the current flow.

And finally, the notion that all electricity isn't trying to return to mother earth is just about a direct quote from a noise reduction consultant whose seminar I attended years ago. "There is NO great sump in the earth that all noise wants to return to." Where I work, we have a number of sensitive and sometimes finicky instrumentation systems. When those systems succumb to noise problems, it never fails that there's an outcry to provide even more and larger copper conductors from the suspect panels to the earth.

72--Nick, WA5BDU

----- Original Message -----

From: "George, W5YR" <w5yr@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, October 15, 2003 10:09 AM
Subject: Re: External Ground Connection on K-1

> Depends, Armin . . .

>
> There are three functions for an external ground on a ham station:
>

Date: Thu, 16 Oct 2003 00:18:17 +0100
From: "Norman Zoltack" <k3nz@enter.net>
To: <qrp-1@Lehigh.EDU>
Subject: [159431] Rock Mite DX
Message-ID: <001801c39372\$9e190320\$a1a5c1d8@normanzo>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I will be on St Croix, U.S. Virgin Islands from Oct 22 to 29 for the CQWWSSB Contest. I am taking my 20M Rock Mite along and will try and operate as much as possible before and after the CQWW Contest. I will be signing K3NZ/NP2. It runs about 275 mw but I'm optimistic I can at least work the US from there. Antenna will be a tri-bander at about 30 ft and 900 ft above sea level. Please QSL DIRECT ONLY to K3NZ (sase appreciated!) 73 es hope to work many of you!!! Norm K3NZ

Date: Wed, 15 Oct 2003 20:33:52 -0400
From: "Armin Hachmer" <armin@muskoka.com>
To: "George, W5YR" <w5yr@att.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [159432] Re: External Ground Connection on K-1
Message-ID: <001901c3937e\$0432b420\$766c7bd8@muskoka.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thank you, George. Great explanation. Makes sense to me, a non-techie. I now feel i understand. Had a ground rod and all gear bonded to it at the old house. Since i moved, no earth ground, no RFI, no problems getting out. When lightning is likely, i float the coax.

Had a shack on the second floor once and ran a random wire...yes, RF in the shack until i added 1/4 counterpoise wires.

72

Armin
VE3TEQ

----- Original Message -----

From: "George, W5YR" <w5yr@att.net>

To: "Armin Hachmer" <armin@muskoka.com>; "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, October 15, 2003 1:09 PM

Subject: Re: External Ground Connection on K-1

> Depends, Armin . . .

>

> There are three functions for an external ground on a ham station:

>

> 1. AC safety ground - this is provided by the green wire in all line cords
> and in the house wiring if it is to code. An extra wire from the equipment
> to an external ground rod is redundant for this purpose and usually an NEC
> code violation which requires all grounds to be bonded together in
specified

> ways, etc.

>

> 2. Lightning "protection" - seldom helped much by a single ground rod -
> takes a concentrated effort to obtain an effective lightning protection
> system. A single ground rod and wire connection can actually make the
> station more vulnerable to a lightning discharge.

>

> 3. "Good r-f ground" - this is the one I am talking about.

>

> No. 3 above is "required" only if it is serving as part of the antenna
> system, and generally that is a very poor way to operate. Beyond that, any
> effort at bringing the station equipment to "Earth ground potential" by
just

> connecting a wire to a rod driven into the ground is questionable for a
> number of reasons.

>

> First, at r-f the impedance of both the wire to the ground rod and the
> impedance of the connection between the rod and the actual conducting
> portion of the "Earth ground" can be, and usually is, high enough on one
or

> more bands to serve only to actually *elevate* the station above the
desired

> zero r-f potential.

>

> That is what causes more troubles than a "good r-f ground" is alleged to
> eliminate. Plus, that ground wire is carrying r-f current and thus
radiates,
> which can be a source of RFI in itself, especially if connected to an
> internal pipe of some sort which then carries the r-f all through the
house,
> etc.
>
> Consider also that a copper pipe in the house may not actually contact the
> soil for a considerable distance and even then may be placed in a shallow
> trench lightly filled with dirt. True there is substantial capacity to
earth
> and it is this that probably accounts more for any "grounding" effect than
> the actual ohmic contact with the soil.
>
> Second, there are really only two practical ways to place the station at
> near zero r-f potential:
>
> 1. use a system of driven grounds consisting of 1/4 wave wires for each
> band, one end of each connected to the station "ground" point (usually the
> transceiver case or the tuner) and the other end insulated and not
connected
> to anything. These wires being in the near field of the antenna(s) have a
> current induced in them and a voltage which is maximum at the open end and
> very nearly zero at the end attached to the equipment.
>
> 2. "tune" the wire going to the questionable Earth ground connection. MFJ
> makes a convenient tuner for this consisting only of a series resonant
> circuit switched for various bands and an r-f current indicator. Tune for
> maximum current and theoretically that condition series-resonates the
ground
> wire and places the equipment at the same potential as the Earth ground
> connection. But that connection may or may not be at all functional at
r-f -
> especially if it has a tenuous connection to very lossy soil, etc.
>
> I strongly prefer #1 for r-f problems.
>
> Again, I see no need for "grounding" the shack equipment, provided that
the
> shack is wired to code, as is the house, and that the antenna system is
such
> that it does not rely upon any conductive path from the transmitter/tuner
to
> "ground."
>
> Frankly, the notion of a "station ground" can be traced to the 1920's when
> the antenna systems used for transmitting and receiving demanded that the

> equipment be connected as well to a "good ground" as to a "good antenna."
> Those days are past.
>
> There are many who find that using a station ground makes them feel better
> or actually reduces or resolves some problems. For them, whatever they are
> doing is appropriate and advisable. I doubt that the actual mechanisms
> involved are as simple as "dumping undesired r-f into the ground" as many
> think a ground connection does.
>
> The Earth is not some great infinite sink into which all undesired r-f can
> be dumped. It is just another large conductor - of usually doubtful r-f
> properties - that may or may not be useful when attached in some way to
the
> station equipment.
>
> None of these remarks is intended in any way to denigrate the need for an
> effective and code-conforming earth safety ground for the a-c line
service.
> Or for the purpose of avoiding or minimizing lightning damage.
>
> But, the notion that running a wire 5 to 20 feet from the rig to an 8 ft
> ground rod driven into sandy soil 5 years ago is likely to prevent "r-f
in
> the shack" is a bit of a stretch.
>
> No flame responses required or accepted. I know that this notion conflicts
> with what many folks are doing and have done for years. I am glad that
you
> feel that it works for you, especially if nothing else does. But, in fact,
> it is very difficult to make a case for curing r-f problems with a
> conductive r-f ground system. It is far better to avoid them in the first
> place by using a properly designed and installed antenna system that
> excludes the station equipment from any radiation duties.
>
> 73/72, George
> Amateur Radio W5YR - the Yellow Rose of Texas
> Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
> "Starting the 58th year and it just keeps getting better!"
> w5yr@att.net
>
>
>
>
>
>
> ----- Original Message -----
> From: "Armin Hachmer" <armin@muskoka.com>
> To: <w5yr@att.net>; "Low Power Amateur Radio Discussion"
<qrp-1@Lehigh.EDU>

> Sent: Wednesday, October 15, 2003 11:08 AM
> Subject: Re: External Ground Connection on K-1
>
>
> > wow, are you saying grounding for the home shack txcvr, tuner,
powersupply
> > is also more trouble than help?
> > Armin, ve3teq
> >
> > ----- Original Message -----
> > From: "George, W5YR" <w5yr@att.net>
> > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> > Sent: Wednesday, October 15, 2003 11:10 AM
> > Subject: Re: External Ground Connection on K-1
> >
> >
> > > Ron, the simple answer is that there is really no need to ground the
K1.
> > It
> > > is a non-problem. <:}
> > >
> > > In over 57 years of operating amateur radio in many station setups, I
> have
> > > never used an external "r-f ground." On the whole, they tend to create
> > more
> > > problems than they solve.
> > >
> > > I would be glad to discuss this further privately if you have a real
> > concern
> > > over the need for a ground.
> > >
> > > 73/72, George
> > > Amateur Radio W5YR - the Yellow Rose of Texas
> > > Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
> > > "Starting the 58th year and it just keeps getting better!"
> > > w5yr@att.net
> > >
> > >
> > >
> > >
> > >
> > > ----- Original Message -----
> > > From: "Ron Evans" <cosmos41@ix.netcom.com>
> > > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> > > Sent: Wednesday, October 15, 2003 8:00 AM
> > > Subject: External Ground Connection on K-1
> > >
> > >

> > > > Hmmmmmm. My day for dopey questions, I guess. But where does one
> > > > connect a ground wire to the Elecraft K-1? I'll be using the K-1
both
> > > > in the shack as well as in the field and am accustomed to having a
> > > > ground wire going to earth ground. Can someone steer me into the
> Halls
> > > > of Wisdom, please?
> > > >
> > > > Thanks in advance!
> > > >
> > > > 72,
> > > >
> > > > Ron - KD5S
> > > > --
> > > > ***** Ron Evans *****
> > > > KD5S (ex K5MVR) - Loving the "glow" since 1957
> > > > Fort Worth, TX "Where the West Begins"
> > > > mailto: cosmos41@ix.netcom.com
> > > > http://www.geocities.com/sweetvengeance
> > > > " The meek shall inherit the Earth, but not
> > > > the mineral rights."
> > > > -- J. Paul Getty
> > > > *****
> > > >
> > > >
> > >
> >
>

Date: Wed, 15 Oct 2003 18:13:09 -0700
From: "john_k7fd" <john_k7fd@cablespeed.com>
To: <jmedley@ix.netcom.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [159433] Re: Zombie Shuffle
Message-ID: <000c01c39382\$a9a350f0\$3801a8c0@codeking>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It should be extra scarey right in the middle of CW Sweepstakes...ouch!

Maybe Oct 30th would be a little less spooky...

John K7FD

----- Original Message -----

From: "J. Medley" <jmedley@ix.netcom.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, October 15, 2003 4:23 PM

Subject: Zombie Shuffle

>
> Official Rules for the Zombie Shuffle
>
> Why: Because Zombies don't sprint.
>
> When: Saturday Nite, November 1, 2003
> Any 4-hour period you choose from your local sundown to
> local midnight. You can split it into two sessions if
> interruptions are unavoidable. Just for the record, your
> local sundown will be 6 p.m. and if your local weather
> people disagree, I'll zap 'em with a spell!!!!
>
> Special DX Rule: operate any 4-hour period as above,
> or split it into two sessions if you need to, between
> 2200Z 10/25 to 0700Z 10/26. This includes HI and AK.
>
> Special Note: if you're just having too much fun to quit
> and want to hang out and pass out points, that's fine!
> Just submit your best 4 hours. But make note of these
> special contacts in your log so you don't get all
> confused or something :)
>
> Where: 20, 40, and 80 meters
> Somewhere in the vicinity of the QRP gathering/calling
> frequencies (14.060, 7.040, 7.110, 3.560, 3.710), be
> considerate of others because they may not know about
> Zombies, also spend some time in the Novice frequencies
> too....all Zombies are brothers in spirit after all.
>
> How: CW only
> QRP only (5 watts or less power out)
>
> What do I say: RST, SPC, Zombie number, Name (+ age if /JR)
> -RST is a signal report
> -SPC means state, province, or DXCC country
> -Zombie Number is that series of numbers at the
> bottom of your Zombie badge....or you can
> use your local telephone area code if you
> don't have a Zombie number; please use

> only one number (if you have more than one
> Zombie number you might want to use the
> higher of the two since it's worth more
> points ;>)
> -Name is what everybody calls you....watch it!
>
> Notes: if you're a YL op, then send your name as "Elvira"
> if you're a Junior Zombie station (any op that's 18 yrs or
> younger, and is a Novice/Tech+ or working with a
> control operator present, such as an Elmer or someone
> who is licensed to use the above frequencies) then add
> /JR after the callsign used and remember to add your
> age after your name
>
> Okay, one more note: everybody decided CQ B00 was fun to use
> (and a lot shorter) for calling CQ
>
> Fun Scoring: Your score is going to be the sum of all Zombie numbers
> and telephone area codes worked on ALL bands! Stations
> can only be worked once per band however. Then you're
> going to add in all the special bonus points and stuff
> to arrive at a really big score! Use the Official Zombie
> Score Sheet... it's a whole lot easier than trying to
> explain it all here.
>
> Okay, now what: Send your completed score sheets (only) by December 1,
> 2003, to the Contest Coroner below via snail mail or
> e-mail.
>
> Who's the Contest Coroner: Well, that'd be lil ol' me...
> Jan Harden, N0QT
> Zombie Shuffle Contest Coroner
> PO Box 1768
> Socorro NM 87801
>
> You can e-mail your score sheet to the Contest Coroner...
> Please use plain ASCII text ONLY!!!! No fancy-schmancy stuff
> (like html or word processor documents and spreadsheets or
> jpg files or anything) because it will be deleted by the
> system. Be sure to put your Callsign and "Zombie Shuffle"
> in the subject line and send it to:
> n0qt@arrl.net
>
> 72 and Ghouled Luck in the contest!
> Jan, N0QT
> -----
>
> OFFICIAL ZOMBIE SHUFFLE SCORE SHEET


```

>
> Callsign used: _____ (/JR)           Zombie#/Area Code:_____
> Ops (Name/Call):_____
> Address:_____
> City: _____ State: _____ Zip:_____
> Equipment used:_____
>
> 1) _____ Number of stations worked on ALL bands -- this really
> isn't used for anything, just being nosy.
> 2) _____ Sum of Zombie numbers -- add up ALL Zombie numbers and
> area codes worked on ALL bands. BE CAREFUL! This could
> be a really big number! Better use a calculator.
> BONUS POINTS:
>
> 3) _____ Add 1000 points if you're a /JR station (18 yrs or less)
> [HINT: Novices or Junior Zombies -- you can work the
> Shuffle if a control operator is present. Remember to
> send your age.]
> 4) _____ Add 666 points if you think the bands were crummy.
> 5) _____ Add 666 points if you worked more than 13 stations.
> 6) _____ Add 666 points for EACH Jason worked on ALL bands
> (666 x _____ ).
> 7) _____ Add 666 points for EACH Elvis worked on ALL bands
> (666 x _____ ).
> 8) _____ Add 666 points for EACH Junior Zombie (age 18 yrs or
> under) worked on ALL bands
> (666 x _____ ).
> 9) _____ Add 666 points for EACH Grand Zombie worked on ALL
> bands (666 x _____ ). (These are Zombie numbers 000-025)
> 10) _____ Add 666 points for EACH Elvira worked on ALL bands
> (666 x _____ ).
> 11) _____ Add up lines 2 through 10, pretty big number ain't it?!
>
> SUPER SPECIAL BONUS POINTS FOR A REALLY SCARY SCORE:
>
> 12) _____ Add 1,000 points if you can name 3 of the Elvis stations:
> Call Real Name Location
> _____
> _____
> _____
>
> 13) _____ TOTAL SCORE. Add lines 11 and 12.
> (And it still comes out to 13 lines!)
>
> Also available at www.geocities.com/n0qt/index.htm
>
>

```

Date: Wed, 15 Oct 2003 21:27:36 -0400
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jonal.net, qrp-1@lehigh.edu
Subject: [159434] NEQRP CW Net, Thursday, 16 Oct 03, 08:30 PM EDT, 3.566 MHz
Message-ID: <3F8DF408.5000308@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

The New England QRP Club's 80M CW net, WQ1RP, will meet again on Thursday, 16 October 2003, at 8:30 PM EDT (00:30Z, 17 October 03) on or near 3.566 MHz. All hams are welcome. Net control operator will be Chuck, K1CL, operating from Chelmsford, MA.

Conditions were generally quite good last week, with a little QSB on the more distant stations. The net had a total of 10 participants:

WA8BXN	Mike	nr Cleveland, OH	599
N1VS	Vince	Winsted, CT	599
W1CFI	Paul	Falmouth, MA	599
K2BLC	Lee	Blairstown, NJ	599
KX1E	Bob	Portland, ME	579
KB2FEL	Bob	WV	339
N1CUU	Carl	nr Gettysburg, PA	589
W2XS	John	Long Island, NY	599
WB4X	Brent	Stoneville, NC	579
K1CL	Chuck	Chelmsford, MA	net op

Welcome to Lee, I think this was your first time on the NEQRP net, and thanks to everyone for checking in. Hope to hear you all again this week.

72 DE K1CL,

Chuck

Date: Wed, 15 Oct 2003 20:40:43 -0500
From: "George, W5YR" <w5yr@att.net>
To: "Nick Kennedy" <nkennedy@tcainternet.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [159435] Re: External Ground Connection on K-1

Message-ID: <019e01c39386\$8feb2940\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thank you much, Nick, for the agreeable and supportive response. So far, no one has come unglued at the thought of NOT having a station ground, but I suspect I just haven't gotten far enough into the email stack! <:}

I was very fortunate early in my career at Texas Instruments to become involved in an instrumentation problem and being faced with the inevitable ground loop and other undesired effects. I stumbled onto a little book entitled "Grounding and Shielding Techniques in Instrumentation" by Ralph Morrison, Wiley, 1967 (no ISBN number). I learned more from that little under-150 page book about those topics than in several years of college. If you don't already have it on your bookshelf, try to find one!

It is not surprising that you still encounter the universal cure-all for any interference, ground-loop, or related problem. Yet, how many times does all the effort expended toward a "bigger and better ground system" merely compound the problem? We face the same level of un-knowledge (?) in dealing with circuits on PC boards and in chassis environments. The "ground" is unconsciously regarded as a place to route any undesired voltage or current and it is tacitly assumed that everything tied to "ground" is "grounded" and therefore out of the picture. Of course, nothing is further from the truth .
. .

So, again my thanks for your kind note, Nick. I sure hope that you can find your way to Joplin next April so we can have our annual howdy and shake!

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"Starting the 58th year and it just keeps getting better!"
w5yr@att.net

----- Original Message -----

From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: <w5yr@att.net>; "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, October 15, 2003 9:02 PM
Subject: Re: External Ground Connection on K-1

> Tell it, brother George!
>
> Excellent discussion of the topic from various directions. It does seem
> sort of amazing that most folks wouldn't dream of doing without an

effective

> balun, which assures that what goes out on the center wire comes back on the

> braid (and not the ground), but still think they need an RF ground.

>

> Not that I haven't been down that fool's path myself. A few years back I
> crawled under the house (to get the highly desirable *short* ground wire),
> and drove a couple rods with great difficulty. Only after completing the
> task did I come to reflect and realize that it was a dumb thing to do. I
> think you sometimes have to do something stupid to gain perspective on
what

> you've just done.

>

> Right on regarding lightning protection too. Lightning hits the ground in
> the yard, creates a voltage gradient between your rig ground and your
> meter/panel ground. The path you provided via the rig ground rod to rig
> chassis to 3rd wire to panel to NEC ground rod may well have lower
> resistance than the dirt between those points, so your house wiring gets
to

> share some of the current flow.

>

> And finally, the notion that all electricity isn't trying to return to
> mother earth is just about a direct quote from a noise reduction
consultant

> whose seminar I attended years ago. "There is NO great sump in the earth
> that all noise wants to return to." Where I work, we have a number of
> sensitive and sometimes finicky instrumentation systems. When those
systems

> succumb to noise problems, it never fails that there's an outcry to
provide

> even more and larger copper conductors from the suspect panels to the
earth.

>

> 72--Nick, WA5BDU

>

> ----- Original Message -----

> From: "George, W5YR" <w5yr@att.net>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Wednesday, October 15, 2003 10:09 AM

> Subject: Re: External Ground Connection on K-1

>

>

> > Depends, Armin . . .

> >

> > There are three functions for an external ground on a ham station:

> >

>

Date: Wed, 15 Oct 2003 21:16:03 -0500
From: "pschweit" <pschweit@mninter.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [159436] CQWW SSB DX Contest
Message-ID: <002901c3938b\$752804c0\$fde6add1@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I will be operating in the contest as KH6/K0CD qrp. Look for me from the start of the contest till saturday evening.
I plan on being on or about 14.285, 21.385, or 28.385. This contest is one that you use that microphone thinggy.

I will be using an 817 and a dipole. Up for the challange?

Please look for me on the bands

de rob
K0CD

Date: Wed, 15 Oct 2003 19:15:55 -0700
From: "john gabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [159437] FS HW9 PSA9
Message-ID: <001b01c3938b\$6ec976e0\$ed861c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The HW9 and PSA9 have tenetavely been sold ...thank you for the BW. 73's
John KF70M

Date: Wed, 15 Oct 2003 22:16:48 -0400
From: <bill@n4qa.com>
To: <qrp-1@Lehigh.EDU>

Subject: [159438] Elecraft KX1, observations and questions 2 & 3...

Message-ID: <000701c3938b\$8f773f80\$5f24ad80@f1n5n8>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

In the KX1 manual which I downloaded from the Elecraft site last evening, the model number of the Direct Digital Synthesizer(DDS) is listed in both the parts list and schematic as 'AD9934'(non-existent part), while in the 'Circuit Details' section it is correctly listed as being the AD9834.

KX1 Question 2:

Since, as evidenced in the KX1 schematic, the transmit freq and the rx lo freq are selected by software(alright, firmware) as opposed to being selected by device hardware pins(FSEL pin is held at ground), does this mean that new data are written to the freq0(freq1) register set(s) at each instance of key-up/key-down?

Feel free to elaborate here...

KX1 Question 3:

Would someone describe the QSK characteristics of the KX1 from standpoints of how its keying sounds on a separate receiver, and of how the KX1's receiver recovers between transmitted character elements...

73.

Bill, N4QA

<http://www.n4qa.com>

Date: Wed, 15 Oct 2003 20:43:25 -0500

From: "George, W5YR" <w5yr@att.net>

To: "Armin Hachmer" <armin@muskoka.com>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [159439] Re: External Ground Connection on K-1

Message-ID: <01af01c39386\$fce14bb0\$0401a8c0@PS>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Glad to be of help, Armin . . .

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"Starting the 58th year and it just keeps getting better!"
w5yr@att.net

----- Original Message -----

From: "Armin Hachmer" <armin@muskoka.com>
To: "George, W5YR" <w5yr@att.net>; "Low Power Amateur Radio Discussion"
<qrp-1@Lehigh.EDU>
Sent: Wednesday, October 15, 2003 7:33 PM
Subject: Re: External Ground Connection on K-1

> Thank you, George. Great explanation. Makes sense to me, a non-techie.
> I now feel i understand. Had a ground rod and all gear bonded to it at the
> old house. Since i moved, no earth ground, no RFI, no problems getting
out.
> When lightning is likely, i float the coax.
>
> Had a shack on the second floor once and ran a random wire...yes, RF in
the
> shack until i added 1/4 counterpoise wires.
>
> 72
>
> Armin
> VE3TEQ

Date: Wed, 15 Oct 2003 19:42:36 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [159440] Re: Sub-Harmonic Mixer.
Message-ID: <7FD24C15A06DD511BF9E00D0B73E99520D734CDF@az33exm05.corp.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Most any mixer will respond to harmonics. For DC conversion like this, a normal double balanced mixer will respond to odd order harmonics, while suppressing even order harmonics.

The advantage to working in a sub harmonic mode may be less pulling on the VFO when transmitting. The disadvantage is that the mixer will be more lossy converting higher order harmonics than converting at the fundamental frequency. I am not sure what the additional loss is, but it may be another 3 to 10 db on top of the typical 6 db of mixer loss.

As far as the lower frequency VFO goes, I don't think there is any advantage to be had. If the VFO is running at one third the operating frequency, the effect of the VFO drift will be multiplied by three, negating a good portion of the gains of running at a lower frequency. Likewise, the frequency multiplication effect will also increase the VFO noise sidebands by a factor of three as well, degrading the high signal level performance of the receiver by about 10 db.

One last disadvantage is that the VFO is no longer at the transmit frequency and thus it also needs to be frequency multiplied before amplifying for transmitting.

- Dan

Date: Wed, 15 Oct 2003 22:43:14 -0400
From: <bill@n4qa.com>
To: <qrp-l@Lehigh.EDU>
Subject: [159441] Elecraft KX1 observations and question 4...
Message-ID: <001101c3938f\$40392880\$5f24ad80@f1n5n8>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

That's a nifty varactor-tuned variable passband xtal filter in the rx if. The following question is aimed primarily at my fellow DSW/DSW-II enthusiasts, though others are also encouraged to comment.

KX1 (Ok, DSW) Question 4:
Should we mod our DSWs to include the above? :)

73.
Bill, N4QA
<http://www.n4qa.com>

Date: Wed, 15 Oct 2003 20:53:24 -0700
From: Chad Nelson <galahad@boisecenter.net>
To: unlisted-recipients;; (no To-header on input)
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [159442] NOXAS PicoKeyer kit
Message-ID: <4AE54A6B-FF8C-11D7-B78E-000A9570F152@boisecenter.net>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v552)
Content-Transfer-Encoding: 7bit

>

Hello all.

I received the NOXAS PicoKeyer kit just before going on vacation and just got around to putting it together.

It took more time to heat up my iron than it did to assemble this kit, when the battery was slipped in it sang 73 to me!

The only thing I need to change is to remote the control button as I have put the whole keyer into a Penguin .5 Oz peppermint tin and due to clearance issues had to install it upside down "and clip the plug side corners of the board to fit".

Standard disclaimer, I have no vested interest in Hamgadgets.com except as a happy customer

NO ADVENTURE WITHOUT ADVERSITY
Chad Nelson Boise Idaho U.S.A KD7FDU

Date: Wed, 15 Oct 2003 23:06:35 -0500
From: w9ya <w9ya@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [159443] Re: Elecraft KX1 observations and question 4...
Message-ID: <200310152306.36096.w9ya@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Hey Bill;

I was thinking the same thing...also wondering about the agc too.

On another vane, I am running Chuck's DSWK replacment cpu. I am *really* impressed with this item and *thrilled* to have installed it. I will be modifying the front panel by replacing the pushbuton with a mom-center/off-mom dtsp just like the other front panel switch on my DSW-2-20. With this I will get the additonal freq. memory functions. If you haven't tried this chip yet, ya really should. The features it adds are most welcomed here.

Anyways, please keep me posted on the bw mods.

72;

Bob
w9ya

On Wednesday 15 October 2003 09:43 pm, bill@n4qa.com wrote:

> That's a nifty varactor-tuned variable passband xtal filter in the rx if.
> The following question is aimed primarily at my fellow DSW/DSW-II
> enthusiasts, though others are also encouraged to comment.
>
> KX1 (Ok, DSW) Question 4:
> Should we mod our DSWs to include the above? :)
>
> 73.
> Bill, N4QA
> <http://www.n4qa.com>

Date: Wed, 15 Oct 2003 23:29:40 -0500 (CDT)
From: Dale Botkin <dale@botkin.org>
To: Chad Nelson <galahad@boisecenter.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [159444] Re: NOXAS PicoKeyer kit
Message-ID: <Pine.LNX.4.33.0310152315430.11573-1000000@madmax.botkin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 15 Oct 2003, Chad Nelson wrote:

> I received the NOXAS PicoKeyer kit just before going on vacation and
> just got around to putting it together.
> It took more time to heat up my iron than it did to assemble
> this kit, when the battery was slipped in it sang
> 73 to me!

> The only thing I need to change is to remote the control button
> as I have put the whole keyer into a
> Penguin .5 Oz peppermint tin and due to clearance issues had to install
> it upside down "and clip the plug side corners
> of the board to fit".

Glad you're happy with the kit. FYI, I laid out the board specifically to fit the Altoids Tiny Tin. That does require clipping or filing the corners just a tad, since the tin corners are radiused. I have a new batch of PCBs on the way with the jacks just a smidge farther out and a skosh closer together, maybe that will make it easier for small tins and tight spaces. Of course my big challenge is explaining such scientific and non-metric measurements like tads, smidges and skoshes to my LZ PCB fabrication guys! <grin>

> Standard disclaimer, I have no vested interest
> in Hamgadgets.com except as a happy customer

Hmmm... I can make no such claim. 8-) My standard disclaimer: I *AM* hamgadgets.com, how's that?

72,
Dale - N0XAS

--
It's a thankless job, but I've got a lot of Karma to burn off.
NEW PicoKeyer kit w/PCB and all parts - <http://www.hamgadgets.com>

Date: Thu, 16 Oct 2003 06:16:56 +0100
From: Chuck Adams <k7qo@commspeed.net>
To: jmedley@ix.netcom.com,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [159445] Re: Zombie Shuffle
Message-ID: <5.2.1.1.0.20031016061345.00b1e090@mail.commspeed.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>

Gang,

I hate this more than any thing. I hate to bring you some bad news.
In fact, some very bad news.

The first weekend of November, 1 through the 3rd UTC, is the annual

ARRL CW SS weekend and the bands will be very very crowded that weekend.
And, unfortunately, the power levels for the majority of the signals will
not be
QRP. And their antenna efficiency will be high, very high.

So if you can't find Zombies you might want to learn the exchange and work
some new states.

FYI

Chuck Adams K7QO k7qo@commspeed.net
<http://www.qsl.net/k7qo> CP-60

Moving to Arizona? Please bring your own water.

Date: Thu, 16 Oct 2003 1:21:44 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [159446] Help w/Posting?
Message-ID: <4120031041662144228@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Pardon the BW, but can someone please post the following message to the
Elecraft reflector? I am apparently unable to post anything because I am
an Earthlink subscriber and there is a clash of virus checkers [g]. But I
would like to find a K2. Seems like the best place would be the Elecraft
reflector, right? So if someone can post this, I would be obliged. Thanks
for any assistance.

Gang:

Looking for a K2 rig, and have to trade an excellent OMNI V complete with
all CW filters. The 250 Hz filter is by INRAD. Setup includes the 961
power supply with built-in speaker, and the 301 Remote Tuning Knob. Anyone
interested, please let me know. Thanks.

73,
--Doc/K0EVZ

Date: Thu, 16 Oct 2003 04:59:37 PDT
From: James R Giammanco <n5ib@juno.com>
To: john_k7fd@cablespeed.com, qrp-1@Lehigh.edu
Subject: [159447] Re: Zombie Shuffle
Message-ID: <20031016.065151.4631.1.n5ib@juno.com>

Hi John & gang,

>From the lack of comment I was beginning to think I was the only one to have noticed a week or so ago when Paul announced the date :^)) How about this for a strategy. Use the mandatory "off time" from SS the work the Shuffle. That way we can stay on the air the whole 30 hours and be real zombies at the end of the weekend - and likely at work Monday AM as well :^))

72 es GL SS es B00

Jim N5IB

On Wed, 15 Oct 2003 18:13:09 -0700 "john_k7fd" <john_k7fd@cablespeed.com> writes:

>It should be extra scarey right in the middle of CW
>Sweepstakes...ouch!

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Thu, 16 Oct 2003 08:05:14 -0700
From: Wayne Burdick <n6kr@elecraft.com>

To: qrp-1@lehigh.edu
Subject: [159448] Re: KX1 questions/observations
Message-ID: <3F8EB3A7.FEB2778A@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill, N4QA, wrote:

> I've spent some time this evening poring over the schematic of the new
> Elecraft KX1 in an effort to learn about the nifty little gadget's design.
> There are many very interesting aspects of this rig, but my one-track mind
> can handle only one at a time. So, here goes.
>
> KX1 question 1:
> In the schematic, the signal names for the 3-digit display's
> segments(A,B,C,D,E,F,G and DP) coming from the PIC don't seem to match those
> of the display segments themselves.
> Why am I cornfused?

Hi Bill,

Thanks for catching this (I missed it, and so did the reviewers). We'll fix it in the next manual revision. The PC board, fortunately, is correctly laid out.

73,
Wayne
N6KR

Date: Thu, 16 Oct 2003 16:10:31 +0100
From: Chuck Adams <k7qo@commspeed.net>
To: qrp-1@lehigh.edu
Subject: [159449] Move the Shuffle
Message-ID: <5.2.1.1.0.20031016160656.01da3148@mail.commspeed.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

May I make the following suggestion.

Move the Zombie Shuffle to Sunday nite, November 2nd, 2003.
Start one minute after the end of Sweepstakes. I can guarantee you QRM free bands from DC to daylight. Can't guarantee propagation though but I have noted after SS that the bands seem to be in excellent shape if you can find any one on. All those megawatts of energy during SS seem to pump up the ionosphere.

Just a suggestion and I will stay on an extra few hours from WY
after SS to give out #001 if the contest is moved to a new time slot.

dit dit es gl

Chuck Adams K7QO k7qo@commspeed.net
http://www.qsl.net/k7qo CP-60

Moving to Arizona? Please bring your own water.

Date: Thu, 16 Oct 2003 08:23:35 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: qrp-l@lehigh.edu
Subject: [159450] Re: Elecraft KX1, observations and questions 2
Message-ID: <3F8EB7F3.79E6C58B@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill, N4QA, wrote:

> ...the model number of the Direct Digital Synthesizer(DDS)....

Yes, it's a 9834. This will be corrected in the next manual rev.

> Since, as evidenced in the KX1 schematic, the transmit freq and
> the rx lo freq are selected by software(alright, firmware) as
> opposed to being selected by device hardware pins (FSEL pin
> is held at ground), does this mean that new data are written
> to the freq0(freq1) register set(s) at each instance of
> key-up/key-down? Feel free to elaborate here...

Hi Bill,

The state the the FSEL bit in the DDS can be controlled via the SPI interface or the I/O pin. Since the 16F876A has a high-speed SPI bus, it's very practical to bounce between the FREQ0 and FREQ1 registers each time the DDS is updated during receive or on T-R. There's no need to mute the receiver during frequency update, and it's extremely fast. The tuning is very smooth at all three tuning rates (10 Hz, 100 Hz, and 1 kHz or 5 kHz depending on whether you have CW or LSB/USB receive mode in effect).

One of the more recent DDS-related additions to the firmware is the ability to scale the DDS reference directly using a menu entry. The scaling range is +/- 99 PPM. This compensates for any error in the 50 MHz reference oscillator and allows the KX1's dial to read correctly to within about 10 or 20 Hz across its entire tuning range.

> Would someone describe the QSK characteristics of the KX1 from
> standpoints of how its keying sounds on a separate receiver,
> and of how the KX1's receiver recovers between transmitted character
> elements...

I've had nothing but excellent keying reports in on-the-air use. Perhaps one of the field testers will comment, too. The keying waveform is quite clean, with smooth 4 or 5 ms rise/fall times. As for QSK recovery, there's a T-R menu entry that can be set from 0 to 900 ms, and in hardware, the default time constant of the /MUTE line is about 33 ms but can be easily reduced to as little as 10 ms. If a consensus forms around a smaller value of the associated resistor (R18), we'll change it. But for now, it's 3.3 megs, producing about a 33 ms mute recovery delay. This and most other resistors are located on the bottom of the PC board, so experimentation is easy.

73,
Wayne
N6KR

--

<http://www.elecrafft.com>

Date: Thu, 16 Oct 2003 08:39:14 -0700
From: Wayne Burdick <n6kr@elecrafft.com>
To: qrp-1@lehigh.edu
Subject: [159451] Re: Elecraft KX1 observations and question 4...
Message-ID: <3F8EBB9D.298F1547@elecrafft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill, N4QA, wrote:

> That's a nifty varactor-tuned variable passband xtal filter
> in the rx if.

Thanks :)

As with any varactor-tuned filter, it's a compromise between passband ripple, ultimate rejection, and loss at various bandwidth settings. We also use varactor-tuned filters in the K1 and K2, but both are optimized primarily for narrow-band CW use. The KX1's filter is wide enough to copy LSB, USB and AM (consistent with being able to tune 5 to 16.5 MHz over the three bands). You can narrow it down to as low as about 300 Hz for CW copy when the QRM or QRN is tough, although passband loss at the low end is higher.

The emitter follower, Q8, buffers the '602 from the input of the filter, but also provides some power gain. The value of R19 could be reduced further, but the present value is a good compromise and sets Q8's current at only around 2 mA. (Total current drain on receive is only 32 mA or so, since the 9834 DDS draws only about 5 to 8 mA at 50 MHz.)

73,
Wayne
N6KR

--

<http://www.elecrafft.com>

Date: Thu, 16 Oct 2003 08:47:16 -0700
From: "Doug Hendricks" <ki6ds@dpol.net>
To: <qrp-l@Lehigh.EDU>
Subject: [159452] QRPacificon Information
Message-ID: <011201c393fc\$c6304640\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, I got a phone call from a very, very famous ham last night. There is a possibility that he may show up at QRPacificon this weekend. He is working in Sacramento, and had planned on coming over to surprise all of us, but his work schedule may have changed, and he may have to fly home today. Bummer, but if he does make it, you will recognize him immediately. Sorry for the tease, but I just couldn't resist it.

Also, we have had 23 entries so far for the drawing for the HW-9 complete mint station raffle (station donated by George Jones (no not the singer)) with the proceeds going to R&D for a new Kits for Kids kit that a very famous QRP designer is working on for us. Be sure and bring some \$5 tickets with you as we will draw for it on Saturday night. This complete set up is

easily worth \$500, as it includes every accessory that goes with the rig. I thank all of those who took the time and effort to support the raffle. By the way, one guy sent in 10 "tickets", a couple of others 2, and we have had a total of 12 entries so far.

I need to mention that there will be several vendors at QRPacificon this year. Sam Imai, QRP Parts, James Bennett, Pacific Antennas, Vern Wright, W6MMA Super Antennas, Elecraft, Finger Dimple (I just love that name and that product), NJ QRP Club Kits (wait til you see what George is bringing), 4 States QRP Club Kits (Sniffer Boards and Tenna Dippers), NorCal Kits, NorCal Keyers, BLT's, Mini-Boots Amp, NorCal Crystals, Doug Hauff San Luis Machine Keys and Enclosures, plus a couple I am sure that I am missed, as I always do. Many of these Vendors will set up on Friday and Saturday nights at the QRP Open House.

Remember that the Friday night open house is NOT at the hotel as in prior years due to the Mt. Diablo Radio Club not providing us with a room. We will have the open house at the California Burger at the 580 and Santa Rita Road Exit. I was able to get them to give us a room for Saturday night, but it is very small, but we will make it work. Also, don't forget that we will have the Audio QSO party on Friday night. If you did not get your keyer kit in time, just bring another keyer and paddles and join in the fun!! Great prizes and I can't wait to hear the noise, grin.

If you have not registered, you may register and pay your \$10 at the door. You will get a QRPacificon Keyer Kit, A 54 page Compendium, and a QRP Name Badge.

Saturday we have 5 great speakers, Wayne McFee, Randy Foltz, George Heron, Joe Everhart and James Bennett plus Special Guest Steve "Melt Solder" Weber will be there making a special guest appearance. Steve will have the fabulous AT Sprint II rig with him for show and tell. This rig is a multiband rig that draws 29 mA on receive, and is smaller than a pack of cigarettes. Puts out 2.5 to 3 W.

We have a great weekend planned and hope to see you there. If you can't make it, you can always attend other AmQRP sponsored forums: Atlanticon, Ozarkcon, Ft. Tuthill. We want to spread the word about QRP and have fun. See you there. 72, Doug, KI6DS

Date: Thu, 16 Oct 2003 8:53:35
From: John_k7fd <john_k7fd@cablespeed.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [159453] Re: Move the Shuffle
Message-ID: <200310161553.h9GFrqsm001315@rain.CC.Lehigh.EDU>

Content-Transfer-Encoding: 8bit
Content-Type: text/plain; charset="iso-8859-1";
MIME-Version: 1.0

My choice is for Thursday evening, while we're still in a Halloween mood and not spent after SS...

73 John K7FD

----- Original Message -----
From: "Chuck Adams"
To: "Low Power Amateur Radio Discussion"
CC:
Subject: Move the Shuffle
Date: 16/10/03

May I make the following suggestion.

Move the Zombie Shuffle to Sunday nite, November 2nd, 2003.

This mail was sent by Cablespeed Webmail

Date: Thu, 16 Oct 2003 12:26:28 -0400
From: "Charles W3KC" <w3kc@starpower.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [159454] Re: Move the Shuffle
Message-ID: <001501c39402\$63187ae0\$78022c42@w3kc>

I'll second that - Halloween Eve. Unlikely as it seems, we QRPers could try to charge up the ionosphere for the SS. After all, Zombies have special powers.
72 de Chas W3KC

----- Original Message -----
From: "John_k7fd" <john_k7fd@cablespeed.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, October 16, 2003 8:53 AM
Subject: Re: Move the Shuffle

> My choice is for Thursday evening, while we're still in a Halloween mood and
> not spent after SS...
>
> 73 John K7FD

>
> ----- Original Message -----
> From: "Chuck Adams"
> To: "Low Power Amateur Radio Discussion"
> CC:
> Subject: Move the Shuffle
> Date: 16/10/03
>
>
> May I make the following suggestion.
>
> Move the Zombie Shuffle to Sunday nite, November 2nd, 2003.
>
> -----
> This mail was sent by Cablespeed Webmail
>

Date: Thu, 16 Oct 2003 12:27:00 -0400
From: "Adam Vazquez" <adam.vazquez.kb2jpd@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [159455] Re:%20Making%20HW-8%20all%20accessable
Message-ID: <E1AAAys-00075F-00@heron.mail.pas.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"
Content-Transfer-Encoding: 8bit

I helped make a MFJ VHF tuner with SWR bridge by installing a 555 VCO circuit. In order not to drill through the case, I used a mercury switch angled so the circuit only activated when the face of the tuner is facing straight up.

If you can't find it, look for the old Doug McCaw 555 experimenters book either from RadioShack , Popular Electronics back editions and I believe they were republished by some book publisher.

I hope this was a better response for your inquiry.

Date: Thu, 16 Oct 2003 09:37:54 -0700
From: "Doug Hendricks" <ki6ds@dpol.net>
To: <qrp-l@Lehigh.EDU>
Subject: [159456] Message from Dr. Megacycle
Message-ID: <000b01c39403\$d93137c0\$4a0b0d0a@dph.dpol.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just got a message from Jim Duffey about the QRP Banquet. Boy he scared me. I thought for a minute that he was saying that the QRP Banquet speaker was going to show up. Gad, a boring banquet speaker at a NorCal qrp event?? We don't want that, we want to eat and have fun, grin. Jim's quote is below. 72, Grin, Doug, already in the having fun mode.

PS - The banquet arrangements are all taken care of, but the speaker won't be able to show. As usual this was a transparent task, and one I enjoy doing every year. Can't wait to see you and the NorCal gang. It looks like you have a great group of speakers lined up.

Date: Thu, 16 Oct 2003 10:07:32 -0700
From: steven.e.huss@exgate.tek.com
To: qrp-1@Lehigh.EDU
Subject: [159457] F.S. Two Band K1 with auto tuner
Message-ID: <658B168FF59ED4119FC200508BF354BB071F98FB@exgate.tek.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hello All,

Elecraft K1 for sale.

40 & 20 meter with auto tuner.

Very clean no wear and tear.

Asking \$350 plus shipping.

Thanks,

Steve
kc7zvm

Date: Thu, 16 Oct 2003 13:53:30 -0400

From: "Paul Gerhardt" <pgerhardt@hotmail.com>
To: qrp-1@Lehigh.EDU, kc8aon@juno.com
Subject: [159458] Re: 30 meter vertical ?
Message-ID: <BAY1-F136mbQe30H0Kr000180b8@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Rick Years ago in my Townhouse My first antenna was a 50ft piece of wire fed in the center with 92' of 450 ohm ladder line and mounted vertically in a tree. It worked well on 40-10 it would work w/o a tuner on parts of ten meters. The best performance seemed to be on 15 but it worked well on 10 and 20 also. Later I went to a horizontal 100 ft wire and a miniquad for the higher bands. You could short out the feedline and load it up on 160M but is was a bit difficult to make contacts!

Paul
K3PG
Eastern Shore of Maryland

Date: Tue, 14 Oct 2003 18:34:14 -0400
From: Rick McKee <kc8aon@juno.com>
To: fpqrp-1@mpna.com, qrp-1@Lehigh.EDU
Subject: [159357] 30 meter vertical ?
Message-ID: <20031014.183425.9550.8.kc8aon@juno.com>

Been thinking of putting up some sort of vertical antenna for 10 thru 30 meters, and was thinking of a 30 meter dipole fed in the center with 450 ohm balanced feedline mounted vertically. Has anyone tried this and how well did it work out for you ? Just needing something to cover the higher bands and don't want to spend \$300 + for a commercial vertical ! I may even try a 30 meter wire groundplane fed with balanced feedline - any advice ?

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW-20+, SW-30+, SW-40+, Norcal BLT, Norcal Cascade, Yaesu FT-7,
Homebrew 6V6 tube TX & Hallicrafters SW500 RX, PAC-12 Antenna
QRP-L #2112, FPqrp #33, AR QRP, AmQRP, Ohio Valley Fists
I'll give up CW & QRP when I'm dead ! MAYBE ! didididadidah

Paul Gerhardt
pgerhardt@hotmail.com

Page a contact s mobile phone with MSN Messenger 6.0. Download it now FREE!
<http://msnmessenger-download.com>

Date: Thu, 16 Oct 2003 15:36:18 -0400
From: "Charles Mabbott" <aa8vs@msn.com>
To: qrp-1@Lehigh.EDU
Subject: [159459] FirebirdARC 160M net Starting Guests welcome
Message-ID: <BAY5-F34Z3piZd1SNCj0000a7c4@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I'm going to attempt to start up the 160 meter Firebird net tonight, October 14th at 23:00 GMT, 7:00 PM Eastern Daylight time on 1.877 LSB. Hope to hear you tonight, or next Tuesday.
Joe W8DCQ

"Whoever said the pen is mightier than the sword obviously never encountered automatic weapons."

www.aa8vs.org/aa8vs

Send instant messages to anyone on your contact list with MSN Messenger 6.0. Try it now FREE! <http://msnmessenger-download.com>

Date: Thu, 16 Oct 2003 15:20:32 -0500
From: Marten T Beels <martentb@goshen.edu>
To: qrp-1@lehigh.edu
Subject: [159460] blt questions
Message-ID: <1066335632.3f8efd904104d@mail.goshen.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

I just finished building a norcal BLT and am a bit confused.

When I hook up my MFJ-259B, I can watch the SWR and reflection coefficient

change as I tune. However, when I switch the BLT to 'tune', adjust it so the light goes out, and then flip over to 'operate', the SWR jumps WAY up so that it is nowhere near resonant. When I then tune the BLT to a nice 50 ohm match according to the MFJ and then switch back to 'tune', the light on the BLT glows brightly!

I'm pretty sure that I wired the thing properly, but maybe some wires are crossed somewhere. Is stray capacitance and inductance an issue? There is a lot of leeway in wire length and placement.

I'm also pretty sure that the MFJ-259B is ok, when I tune other antennas with it the SWR according to a different meter is about the same.

Does anyone have any thoughts?

Marten
KC8HZM
<http://www.goshen.edu/~martentb>

This mail sent through IMP: <http://horde.org/imp/>

Date: Thu, 16 Oct 2003 14:34:04 -0600 (MDT)
From: Karl Larsen <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [159461] Screwdriver tuned antenna
Message-ID: <Pine.LNX.4.44.0310161355400.4724-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I purchased a mobile antenna from the El Paso Texas Radio Club. It has a pair of shielded wires coming out the bottom which run a electric screwdriver attached to a lead-screw that pushes or pulls a coil through some finger stock that varies the inductance.

At the base of the antenna is a T-106-2 toroid form with 14 turns of wire one black and the other grey wound very close together. There is a tap at turn 11 of the black wire. Turn 1 of the black and grey wires are soldered together. Turn 14 of the black wire goes to ground while turn 14 of gray goes to the coax feedline. The tap at turn 11 goes to the antenna.

This whole thing looks a bit like a balun but I think it's a alun. This is because it has an unbalanced antenna at one end and coax at the other. Both are unbalanced.

So I mounted the antenna on my Dodge Durango and hooked up the alun as marked. I looked at the impedance of the antenna and found it was a far way from 50 +j0. My Yaesu FT-817 would not load the antenna and the received signals where a bit weak.

For a test I reversed the ground and coax connections. Now the best match is about 55 +j2 at every ham band. It is clear the markings are wrong. Moral: mine is wired with 2 peices of #16 magnet wire and no way to guess which is black. USE Colored Wire!

Tests on 15 meters puts my mobile signal about 3 S units below my 5 element wide spaced beam. Well, that's better than nothing.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Thu, 16 Oct 2003 14:43:38 -0700
From: "Doug Hendricks" <ki6ds@dpol.net>
To: <qrp-1@Lehigh.EDU>
Subject: [159462] Off to the fun at QRPacificon
Message-ID: <004301c3942e\$8f3dbbe0\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am in the just about ready to hit the road for QRPacificon. Hope to see you there. It doesn't get any better than this. I feel like its my birthday, 4th of July, Christmas and the first basketball game of the season all rolled into one. Can't wait for this one. 72, Doug

Date: Thu, 16 Oct 2003 18:00:22 -0400
From: "Ken Newman" <n2cq@dandy.net>
To: "List QRP-Canada" <qrp-canada@neale.gpfn.sk.ca>,
 "K8NI Norm Into" <normk8ni@neo.rr.com>,
Subject: [159463] [CONTEST] N2CQ QRP Contest Calendar Oct 18-29
Message-ID: <000d01c39430\$fa87f120\$3fcb2d44@kensdell>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

~~~~~  
N2CQ QRP CONTEST CALENDAR

October 18-29, 2003  
~~~~~

Worked All Germany Contest (CW/SSB) ... QRP Category

Oct 18, 1500z to Oct 19, 1459z

Rules: <http://www.darc.de/referate/dx/fedcg.htm>
~~~~~

Asia-Pacific Sprint (15m/20m CW) <150W Max

Oct 19, 0000z to 0200z

Rules: <http://jsfc.org/apsprint/>  
~~~~~

RSGB 21/28 MHz Contest (CW) ... QRP Category

Oct 19, 0700z to 1900z

Rules: <http://www.rsgbhfcc.org/>
~~~~~

Illinois QSO Party (CW/PH)... QRP Category

Oct 19, 1800z to Oct 20, 0200z

Rules: <http://my.core.com/~jematz/rams.html>  
~~~~~

CQ WW DX Contest (SSB) ... QRP Category

Oct 25, 0000z to Oct 26, 2400z

Rules: <http://www.cq-amateur-radio.com/>
~~~~~

Ten-Ten QSO Party (CW) ... QRP Category

Oct 25, 0001z to Oct 26, 2400z

Rules: <http://www.ten-ten.org/>  
~~~~~

070 Club 160m Great Pumpkin Sprint (PSK) ... QRP Category

Oct 26, 2000 to Oct 27, 0200 (Local Time)

Rules: http://podxs.com/html/070_club.html
~~~~~

40 METER FOXHUNT - Oct 29, 0200z-0400Z

Info: <http://www.cqc.org>

Truffle Hunt - 30 min before Fox Hunt

Info: [http://fpqrp.com/pig\\_hunt.html](http://fpqrp.com/pig_hunt.html)  
~~~~~

Thanks to SM3CER, WA7BNM, N0AX(ARRL), WB3AAL and others
for assistance in compiling this calendar.

Please foreward the contest info you sponsor to N2CQ@ARRL.NET and
we will post it and give it more publicity.

Anyone may use this "N2CQ QRP Contest Calendar" for your website,
newsletter, e-mail list or other media as you choose.

(Include a credit to the source of this material of course.)

72 de

Ken Newman - N2CQ

N2CQ@ARRL.NET

<http://www.amqrp.org/contesting/contesting.html>

<http://www.n3epa.org/Pages/Contest/contest.htm>

Date: Thu, 16 Oct 2003 18:02:04 -0400

From: "Thomas Lewis" <thomas_h_lewis@msn.com>

To: martentb@goshen.edu, qrp-1@Lehigh.EDU

Subject: [159464] Re: blt questions

Message-ID: <BAY5-F11sYUegDZCRno00013c2e@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Marten:

I don't think you realize the significance of the terms "tune" vs "match". I got into QRP about a year ago with a RockMite. The guys on that group opened my eyes to the difference. They will probably respond here with much more help than I can offer.

I use the BLT to "match" the output of the rig to the antenna system. I say again system. That gets the maximum available power from the rig to the feedline. So the SWR at the rig output (between the rig and the BLT) is low as indicated by the LED.

In my situation, I'm feeding a 44 ft. doublet I use on 40 (RockMite) 30 (SW+, MFJ 9030) and 20 (RockMite). The feedline is the cheap TV line from Radio Shack but the loss is fairly low. Therefore, the SWR between the BLT and the feedline doesn't concern me. I'm just trying to get the power to the 44 ft. wire the best I can. Once it gets there it will all radiate.

So, does it work?

46 states with RockMites on 20 & 40. 12 DCCX with the Rock on 20 including Ukraine (my personal record) and of course Rumi several times.

The point? (I'm so amazed by what I've learned and experienced since coming back to Ham Radio and going CW QRP - accommodate the bragging part please). With the BLT, you are only attempting to get the maximum power available from the transmitter to the feedline.

I've been studying for my Extra Exam. Plan on taking it at the hamfest in Tampa 12/6. Occasionally I get referenced back to "Now Your Talking". As I

review that text I see where I got overly confused and concerned about resonance.

Good luck friend. The folks on this group will certainly correct my mistakes here and we will all be the wiser for it.

Tom
K4THL

Enjoy MSN 8 patented spam control and more with MSN 8 Dial-up Internet Service. Try it FREE for one month! <http://join.msn.com/?page=dept/dialup>

Date: Thu, 16 Oct 2003 15:00:21 -0700
From: Mark Schoonover <schoon@amgt.com>
To: "'k5di@zianet.com'" <k5di@zianet.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [159465] RE: Screwdriver tuned antenna
Message-ID: <BF889CEBEFD2D511B993009027F60ABE4F72FD@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Karl Larsen <mailto:k5di@zianet.com> scribbled on Thursday, October 16, 2003 1:34 PM:

> At the base of the antenna is a T-106-2 toroid form with 14
> turns of wire one black and the other grey wound very close together.
> There is a tap at turn 11 of the black wire. Turn 1 of the black and
> grey wires are soldered together. Turn 14 of the black wire goes to
> ground while turn 14 of gray goes to the coax feedline. The tap at
> turn 11 goes to the antenna.

Karl,

It's called an UNUN, for the reasons you mentioned above.

HTH & 72

.mark

Date: Thu, 16 Oct 2003 18:14:41 -0400
From: "Thomas Lewis" <thomas_h_lewis@msn.com>
To: ki6ds@dpol.net, qrp-l@Lehigh.EDU
Subject: [159466] Re: Off to the fun at QRPacificon
Message-ID: <BAY5-F37SRm8rCQFeHI00013b92@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

We have to figure how to have this much fun in sunny Florida.

QRPers in FLA??

K4THL

Fretting that your Hotmail account may expire because you forgot to sign in
enough? Get Hotmail Extra Storage today!
<http://join.msn.com/?PAGE=features/es>

End of QRP-L Digest 3075

